

March 24, 2003

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Ms. Marlene H Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

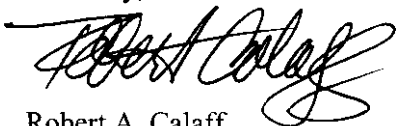
RE: Richardson Certification Filing for the  
Grand Rapids Police Department in Michigan  
WT Docket No. 03-76

Dear Ms. Dortch:

Pursuant to the City of Richardson Reconsideration Order,<sup>1</sup> enclosed is T-Mobile USA, Inc.'s certification with respect to the E911 request it has received from the Grand Rapids Police Department in Michigan.

Please contact me at 202-654-5900 with any questions or concerns.

Sincerely,



Robert A. Calaff  
Senior Corporate Counsel  
Governmental and Industry Affairs

<sup>1</sup> Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems, CC Docket No. 94-102, **Order on Reconsideration**, rel. Nov. 26, 2002 (City of Richardson Reconsideration Order)

## CERTIFICATION OF TIM WONG

I, Tim Wong, certify:

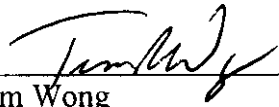
1. This certification is made on behalf of T-Mobile USA, Inc. ("T-Mobile") under Section 20.18(j)(4) of the Commission's rules, 47 C.F.R. § 20.18(j)(4).
2. I am Chief Technology Officer of T-Mobile. As Chief Technology Officer, I am responsible for and have general knowledge of T-Mobile's deployment of E-911 service. To the extent this certification discusses E911 deployment on the Public Safety Answer Point's ("PSAP") side of the demarcation point, those portions of this certification are based on T-Mobile's best understanding of those facts and circumstances, which is based largely on the representations of the PSAP and/or its Local Exchange Carrier ("LEC").
3. The Grand Rapids Police Department, a Michigan PSAP, requested Phase I E911 service on April 24, 2001. More than six months have elapsed since the date of receipt of this request and the deployment has not been completed.
4. To the best of my knowledge, the PSAP known as the Grand Rapids Police Department is currently not able to receive and utilize Phase I E911 data elements. I describe below the basis for this determination and reasons why further implementation efforts cannot be made until the PSAP becomes capable of receiving and utilizing the data elements associated with the E911 service requested.
  - (a)
    - (i) According to its records, T-Mobile provided the Grand Rapids Police Department with map and data files on July 11, 2002 and requested on July 11, 2002 that the PSAP provide T-Mobile with routing instructions for the PSAP's E911 calls. The PSAP has not provided T-Mobile with the requested routing instructions.
    - (ii) Without routing instructions, T-Mobile cannot: complete and send the data file to the ALI database provider, perform Mobile Switching Center and Gateway Mobile Location Center data translations, or test the requested service. Until the PSAP provides routing instructions to T-Mobile so that T-Mobile can complete these steps, T-Mobile will not be able to transmit E911 data elements to the proper nodes within the area covered by the Grand Rapids Police Department's request, and the Grand Rapids Police Department will therefore not be able properly to receive and utilize E911 data elements.
    - (iii) T-Mobile has contacted the Grand Rapids Police Department four times regarding the need for routing instructions via email, **express** mail and phone beginning October 2, 2002.
  - (b)
    - (i) According to T-Mobile's records, the Grand Rapids Police Department has not upgraded its Customer Premises Equipment ("CPE") for the requested service.

Until the PSAP upgrades its CPE, T-Mobile cannot complete Mobile Switching Center and Gateway Mobile Location Center data translations because, as a practical matter, these translations must be completed close in time to final deployment to avoid repeating the translations due to underlying network changes, or test the requested service, and the Grand Rapids Police Department will not be able to receive and utilize the E911 data elements transmitted by T-Mobile.

5. Listed in Attachment "A," attached hereto, are the specific steps T-Mobile has taken to provide the requested service to the Grand Rapids Police Department, and the specific steps that remain to be completed by T-Mobile. "Yes" means T-Mobile has completed that step. "Incapable" means T-Mobile cannot complete that step until the PSAP or LEC completes certain prerequisite steps, as described above. "N/A" means that the specific step is not applicable to the requested service in this instance (*i.e.*, it is a Phase I request and the specific step listed is Phase II only).
6. Listed in Attachment "B," attached hereto, are the specific steps that remain to be completed by the PSAP or other parties before T-Mobile can provide the E911 service requested. "Yes" means that, to the best of T-Mobile's understanding, the PSAP has completed that step. "No" means that, to the best of T-Mobile's understanding, the PSAP or other responsible party, has not completed that step. "N/A" means that the step is not applicable to the requested service in this instance. "Unknown" means that T-Mobile does not have sufficient knowledge to make any determination regarding the status of that step.
7. In accordance with Section 20.18(j)(4)(i) of the Commission's rules, on March 3, 2003, T-Mobile provided, by overnight, express delivery, written notice to the Grand Rapids Police Department of T-Mobile's intent to file this certification. The Grand Rapids Police Department did not respond to that notice.

I certify under penalty of perjury that the foregoing is true and correct.

Executed on March 20, 2003, by:

  
\_\_\_\_\_  
Tim Wong  
Chief Technology Officer

**ATTACHMENT A to Certification of Tim Wong**  
**Steps taken by T-Mobile toward E911 Implementation for The Grand Rapids Police Department**

|                                                                                                         |                                                                                                                   |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Built, tested, and integrated the Gateway Mobile Location Center ("GMLC") into T-Mobile's network                 |
| <input type="checkbox"/> Yes <input type="checkbox"/> Incapable <input checked="" type="checkbox"/> N/A | Built, tested, and integrated the Serving Mobile Location Center ("SMLC") into T-Mobile's network (Phase II only) |
| <input type="checkbox"/> Yes <input type="checkbox"/> Incapable <input checked="" type="checkbox"/> N/A | Built, tested, and integrated Location Measurement Unit(s) ("LMU") (Phase II, EOTD only)                          |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Upgraded, tested, and patched software in Mobile Switching Center(s) ("MSC")                                      |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Upgraded, tested, and patched software in Base Station Controller(s)                                              |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Requested selective router location (CLLI codes) from the PSAP or obtained location from an alternate source      |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Sent coverage map(s) to the PSAP                                                                                  |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Sent data file(s) to the PSAP                                                                                     |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Requested routing instructions from the PSAP                                                                      |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Prepared network design diagram                                                                                   |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Performed trunk sizing ( <i>i.e.</i> , determined the number of trunks required)                                  |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Completed forms and exhibits for ordering trunks from LEC                                                         |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Obtained PSAP authorization to order trunks, <b>if</b> applicable                                                 |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Ordered trunk(s) from LEC                                                                                         |

**ATTACHMENT A to Certification of Tim Wong**  
**Steps taken by T-Mobile toward E911 Implementation for The Grand Rapids Police Department**

|                                                                                                         |                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Ordered transport from LEC, if applicable                                                                                        |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Tested trunks                                                                                                                    |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Requested pANI assignment from LEC or obtained from an alternate source                                                          |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Completed data file for delivery to PSAP                                                                                         |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A | Sent data file to PSAP                                                                                                           |
| <input type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A            | Completed data file for delivery to ALI database provider                                                                        |
| <input type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A            | Sent data file to ALI database provider                                                                                          |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Incapable <input type="checkbox"/> N/A | Performed MSC data translation (script allowing routing of E911 voice to correct PSAP and identification of the receiving tower) |
| <input type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A            | Performed GMLC data translation (script allowing routing of E911 data to correct PSAP and identification of the receiving tower) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Incapable <input type="checkbox"/> N/A | Scheduled testing with PSAP                                                                                                      |
| <input type="checkbox"/> Yes <input type="checkbox"/> Incapable <input type="checkbox"/> N/A            | Performed profile test                                                                                                           |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Incapable <input type="checkbox"/> N/A | Performed field test                                                                                                             |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Incapable <input type="checkbox"/> N/A | Reconciled field test                                                                                                            |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Incapable <input type="checkbox"/> N/A | Performed retest, if applicable                                                                                                  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Incapable <input type="checkbox"/> N/A | Accepted testing (provisioning complete)                                                                                         |

**ATTACHMENT A**

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**ATTACHMENT B to Certification of Tim Wong**  
**Actions Required By The Grand Rapids Police Department Or Other Parties Before T-Mobile Can Complete E911 Implementation**

- ☐ Yes ☐ No ☒ Unknown ☐ N/A Requested service from LEC (PSAP)
- ☒ Yes ☐ No ☐ Unknown ☐ N/A Sent selective router location (CLLI codes) to T-Mobile (PSAP)
- ☐ Yes ☒ No ☐ Unknown ☐ N/A Sent routing instructions to T-Mobile (PSAP)
- ☐ Yes ☐ No ☒ Unknown ☐ N/A Upgraded Customer Premises Equipment ("CPE") (including Computer Aided Dispatch ("CAD"), Geographic Information System ("GIS"), and 10-digit capability) (PSAP)
- ☐ Yes ☐ No ☒ Unknown ☐ N/A Built Master Street Address Guide ("MSAG") (PSAP)
- ☐ Yes ☐ No ☒ Unknown ☐ N/A Completed data file upload (LEC)
- ☐ Yes ☐ No ☒ Unknown ☐ N/A Upgraded ALI database, if applicable (LEC)
- ☐ Yes ☐ No ☒ Unknown ☐ N/A Upgraded selective router, if applicable (LEC)
- ☐ Yes ☐ No ☒ Unknown ☐ N/A Provisioned trunks for T-Mobile (LEC)
- ☐ Yes ☐ No ☒ Unknown ☐ N/A Provisioned or upgraded trunks for PSAP (from Phase zero to Phase I or 11), if applicable (LEC)

**ATTACHMENT B**